```
              RAW SEQUENCE LISTING              DATE: 09/06/2001
              PATENT APPLICATION:  US/09/934,249    TIME: 16:02:50

              Input Set : A:\P7387001.txt
              Output Set: N:\CRF3\09062001\I934249.raw
```

Does Not Comply
Corrected Diskette Needed

```
   4 <110> APPLICANT: Lee, Richard T.
   5         Landschulz, Katherine T.
   6         Turi, Thomas G.
   7         Thompson, John F.
   8         Kennedy, Scott P.
  10 <120> TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF
  11         CARDIOVASCULAR CONDITIONS
  13 <130> FILE REFERENCE: P0738/7001/ERP/KA
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/934,249
C--> 15 <141> CURRENT FILING DATE: 2001-08-21
  15 <150> PRIOR APPLICATION NUMBER: US 60/227,159
  16 <151> PRIOR FILING DATE: 2000-08-22
  18 <160> NUMBER OF SEQ ID NOS: 17
  20 <170> SOFTWARE: FastSEQ for Windows Version 3.0
```

ERRORED SEQUENCES

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 904 <211> LENGTH: 8093
 905 <212> TYPE: DNA
 906 <213> ORGANISM: Homo Sapiens
 908 <220> FEATURE:
 909 <221> NAME/KEY: unsure
 910 <222> LOCATION: (6477)...(6477)
 911 <223> OTHER INFORMATION: c or t/u
 913 <221> NAME/KEY: unsure
 914 <222> LOCATION: (6837)...(6837)
 915 <223> OTHER INFORMATION: a or c
 917 <400> SEQUENCE: 16
 918 ctcagctccc tgtggtgggg gatggcagag gcttcccgct ccccgcagct ggtttgcaca     60
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 920 gctggcctct gaggaacaga cgtgtgtgag aggccttcag ggcctgatgg ctggggtggt    180
 921 gacagtgcct ggagaatggg tggggactgg aggggccagg tggctaacca ctctcctctt    240
 922 ccatggcagc ggagctggag ttcgcccaaa tcatcatcat cgtcgtggtg gtcacggtga    300
 923 tggtggtggt catcgtctgc ctgctgaacc actacaaagt ctccacgcgg tccttcatca    360
 924 accgcccgaa ccagagccgg aggcgggagg acgggctgcc gcaggaaggg tgcctgtggc    420
 925 cttcagacag cgccgcaccg cggctgggcg cctcggagat catgcatgcc ccgcggtcca    480
 926 gggacaggtt cacagcgccg tccttcatcc agagggatcg cttcagccgc ttccagccca    540
 927 cctaccccta tgtgcagcac gagattgatc ttcctcccac catctccctg tccgacggtg    600
 928 aagagccacc tccttaccag gggccctgca ccctgcagct ccgggaccct gaacagcaga    660
 929 tggaactcaa ccgagagtcc gtgagggccc cacccaaccg aaccatattt gacagtgatt    720
 930 taatagacat tgctatgtat agcggggggtc catgcccacc cagcagcaac tcgggcatca    780
 931 gtgcaagcac ctgcagcagt aacgggagga tggaggggcc accccccaca tacagcgagg    840
 932 tgatgggcca ccacccaggc gcctctttcc tccatcacca gcgcagcaac gcacacaggg    900
 933 gcagcagact gcagtttcag cagaacaatg cagagagcac aatagtaccc atcaaaggca    960
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936 atggtacaaa taagtaaaac caaatgagca aacacggtct ttgtttctga ttccttttag 1140
937 gggaattgca tgcaaactag actgaaatga tacaaacttc catctggtct gaccgcaaac 1200
938 agtgtttatt tggggacagg ggttgggatg ggggtgtggg caggggaaaa cagagaacgg 1260
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941 aaggaagcat tattatatat tattgtgggg aagaaccagc cagttcgctt tttctcctaa 1440
942 ggtgtggact tttattttgt tttaaaaata tgaatcaaaa ttcctgtgtt gtgtgccaag 1500
943 gtataaagtg gagaagttag atgagtgcaa ggagctcctt tgtgttgtga tgatgtgttt 1560
944 taaaagttgc actatcttaa tgttgaaaat atttacaagg gaactgtttt acgtgaagtt 1620
945 ctgtatgttg tcttttcacc tgtggattgt aatcaggccc aaggaatatc ctggagtggt 1680
946 ccccagaagc atccaagaaa agatatttgg ggacgtagcc taacatttta ccaacttacg 1740
947 taaatcaaaa aagtcattat tgttgcagga gtttgcatca aatagcagtg catcgctgaa 1800
948 gcttttggag acttttggat ggaagataag atagggaaga ttaagttcca gcatttctga 1860
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950 atgcatttat ggatccagta tcatgcagtg ctgccctcat cctccagcag tgcaatttct 1980
951 tcagtaattt agattttttt cactatagca tgaaatatat tcaaatacat accttatttt 2040
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957 agtattagca tagcattctt aaaggaatgc agtgttcaaa acctacccaa attccccgca 2400
958 ggattttacc aaacccttcc ccaggccagt tttgtactga aggcaagaac tggacagtca 2460
959 gagaacagtg gaggggggcaa gtgactgaag agcaccgggt aaaaagcaca acatgcagtt 2520
960 aaaatgcaaa ctagaaaact aattttaaat attgttagtt ttaatatttc ctgatatttа 2580
961 caaatattca ttcttatata caatgaaaaa aataactttc ttctgcagat gtaagcactg 2640
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976 aaatggcttc acagtcctta cttctctacc tgcctcaaga aggggctcag agcagagact 3540
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979 aaccacccta gagaactgcc tttgttaaat agttatttaa agactcatac atatcaaacc 3720
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981 cataacatga attgatggtc aatttccctt cagcagaagg aaaaggtgat ttagatcagt 3840
982 agctcttttg aaggttgtgg ctgacctgtt cataccgtgt cgcctcatgg ctagtgtggc 3900
983 gttgaaagag tagcgactgg gaagatacaa cttacacagt ggggcctatt gttctttcaa 3960
```

RAW SEQUENCE LISTING   DATE: 09/06/2001
PATENT APPLICATION: **US/09/934,249**   TIME: 16:02:50

Input Set : **A:\P7387001.txt**
Output Set: **N:\CRF3\09062001\I934249.raw**

```
 984 gaaccctttt tttagcttat agaacccatg ggtccagttt agtaacgagt gatttaggca  4020
 985 atcaatgata ggtttataat cttagattat tccagcaaag tgtggattgc attgttagga  4080
 986 agaacatttg gtgggaatga acactcctgg gcataccgct gacttttgtc ccttgttccc  4140
 987 ggtgtaggag acccaaggca tcttgaatcc catctataag aacacaatct tccagcatac  4200
 988 gtttgctttt tcagaaactc tagcattctc tttaaatact gacgcaatcc ttaatggaaa  4260
 989 agagatttca tgaagcaaat tatgtatttc aatagttctt ctatttttag tgtccaaaat  4320
 990 ttactaatac agaagcttga caagcatgtc ctcaccctcc ccaccacata aacacatgga  4380
 991 cacacaccca agccacaaga aatcccaaga gagcagaagc gaatttttaa aagatttatc  4440
 992 gtgaggactg catttccatt cactaatttt ggctcaaact tatgaggcag gaaataggg g  4500
 993 ccaacagtaa atggggagg cctcctgaca ccagcagagg aattttgtac ccaggcgagg  4560
 994 acttcttgaa cttctgcgta tctccgtttg atctctttca cctttatttc atcttcataa  4620
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1031 cagccaagtg aaggacctct catccattcc cattcatgtc ccatcataat acggacmcaa  6840
1032 aaagcaaact cggttttgcc atcagttaga aattacgttt tggattgtat attgttacat  6900
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RAW SEQUENCE LISTING   DATE: 09/06/2001
PATENT APPLICATION: **US/09/934,249**   TIME: 16:02:50

Input Set : **A:\P7387001.txt**
Output Set: **N:\CRF3\09062001\I934249.raw**

```
1033 ctctcttcca gcttagtttt tagtgtctga ttgtgacctc tgcatttatc ttcaaatacc   6960
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1035 tgaatcttgg gtgtgggcat cctttcgagt gttgtccata agagcagttc gtggaatttt   7080
1036 gcccatctga cccatattat cagcttattc tgccaccaga gtagagtcta ataaattcca   7140
1037 aagtttttat ttgctccatg gtgtatgttc tgactttgaa aatgtcagat tctataatca   7200
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1039 tgcaaccctt aatgctgaat ggattaaaaa agtcagccct tttagtatct gtttgaaagg   7320
1040 gccgtaaaaa gttgacactt ttgttgttgt ggatcctgcg tgtctagacc cacgtgttgt   7380
1041 ttccatcgta tactgtaggg tgcacccctt gggattcatc attaagaact gaggctcact   7440
1042 gttgtcagaa acaaagctcc cacccccag gttcaacctt gtgggagaac tgttgagcat    7500
1043 gagaatgttc tagactcaga ggtactaaaa tttgttacca catcattgct tcctttctac   7560
1044 aggacgaatt gaggcttaaa ctttactgtt aatgatactg gttcatttta atgtgcttgt   7620
1045 tggtatgttg ctatttttca tttcatagct ttcaaaaatc atgctaattg tatacttgtc   7680
1046 tagtttaagg ctatttaaa atatgtacaa tactattcac agcatttagt tcgtttaatt    7740
1047 tttattataa agcaatctac taaaaaagta caactgtatt tgaacttttc aatagttgtt   7800
1048 tgtgagctat gataatcaaa agtcattaaa gtcttttta acaaacattc gtgcttactt    7860
1049 ttcaacataa ttcccagtta tatacagaaa aagatttcca cctgtcacgt atctgcctct   7920
```

E--> 1050
tttacctgag caatggtgta gttcttagac ctaaggtctg taattgcaat acttttaaag   7980aaagatgttg ctctaagtgc

insert hand return

VERIFICATION SUMMARY   DATE: 09/06/2001
PATENT APPLICATION: **US/09/934,249**   TIME: 16:02:51

Input Set : **A:\P7387001.txt**
Output Set: **N:\CRF3\09062001\I934249.raw**

L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:1050 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:16
L:1050 M:252 E: No. of Seq. differs, <211>LENGTH:Input:8093 Found:7920 SEQ:16
L:1103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:1104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:1109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17